▦ HARD ROCK STYLE BETTING PLATFORM

PRODUCTION-READY WEBSITE DEVELOPMENT FOR DOMINICAN REPUBLIC

SCOPE OF WORK & COST ESTIMATE

Prepared By: IT Logix India Private Limited

⚠ PROJECT OVERVIEW

This document outlines the complete scope of work for developing a **production-ready, enterprise-grade sports betting platform for the Dominican Republic** modeled after Hard Rock's professional betting infrastructure. This will be a fully functional, scalable web application ready for commercial deployment in the Dominican Republic market.

📄 PROJECT INFORMATION

Field	Details
Project Name	Hard Rock Style Betting Platform
Project Type	Full-Stack Web Application
Deployment Model	Production-Ready Cloud Deployment
Timeline	8-10 Months
Target Market	Dominican Republic - Licensed Sports Betting Operations
Compliance	Ready for Regulatory Requirements
Prepared By	IT Logix India Private Limited

◎ BUSINESS OBJECTIVES

1. **Professional Brand Experience** - Create a premium, casino-quality betting interface
2. **Scalable Architecture** - Support thousands of concurrent users
3. **Regulatory Compliance** - Built with compliance frameworks in mind
4. **Mobile-First Strategy** - Optimized for mobile betting (70%+ of traffic)
5. **Real-Time Odds Integration** - Live sports data from multiple providers
6. **Payment Processing** - Secure payment gateway integration
7. **User Management** - Complete customer lifecycle management
8. **Analytics & Reporting** - Comprehensive business intelligence

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✂ TECHNICAL ARCHITECTURE

Frontend Technology Stack

Technology	Version	Purpose
Angular	18	Modern UI framework
TypeScript	5+	Type-safe development
Angular Material	Latest	UI component library
RxJS	Latest	Reactive programming
NgRx	Latest	State management

Key Features:

- Component-based architecture
- Dependency injection
- Reactive forms
- Lazy loading modules
- Progressive Web App (PWA) capabilities

Mobile Applications

Technology	Version	Purpose
Flutter	Latest	Cross-platform mobile development
Dart	Latest	Programming language
Provider/Bloc	Latest	State management

Key Features:

- Native iOS and Android apps
- Single codebase for both platforms
- High performance and native UI
- Offline functionality
- Push notifications

Backend Technology Stack

Technology	Version	Purpose
ASP.NET Core	Latest	Web API framework

Dapper	Latest	Lightweight ORM
MySQL	8.0+	Production database
JWT	Latest	Authentication
SignalR	Latest	Real-time communication

Key Features:

- RESTful API architecture
- High performance data access
- Scalable architecture
- Security-first design
- Real-time communication support

Infrastructure & Hosting

Service	Purpose
AWS / Azure	Cloud hosting
Docker	Containerization
CI/CD Pipeline	Automated deployment
CloudFlare	CDN & DDoS protection
SSL/TLS	End-to-end encryption
Monitoring	Application performance monitoring

Third-Party Integrations

- **Odds API** - Real-time sports odds and data
- **Payment Gateway** - Secure payment processing
- **KYC Services** - Know Your Customer verification

✦ CORE FEATURES & FUNCTIONALITY

1. User Management System

- **Registration & Authentication**

    - Email verification
    - Phone number verification
    - Two-factor authentication (2FA)
    - Social media login (Google, Facebook)
    - KYC (Know Your Customer) compliance
    - Age verification (18+)
    - Geolocation verification

- **User Profiles**

    - Personal information management
    - Payment methods management
    - Deposit/withdrawal history
    - Betting preferences
    - Responsible gambling settings
    - Account limits management

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2. Sports Betting Engine

- **Bet Types Supported**

    - Single bets (Moneyline, Spread, Totals)
    - Parlay bets (2+ selections)
    - Teaser bets
    - Round Robin bets
    - Live/In-Play betting
    - Futures bets
    - Props bets

- **Betting Features**

    - Real-time odds updates
    - Cash-out functionality
    - Bet builder interface
    - Quick bet options
    - Bet slip validation
    - Stakes calculator
    - Payout calculator

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3. Sports Coverage

League	Coverage	Markets
NFL	Full season	Moneyline, Spread, Totals, Props
NBA	Full season	Moneyline, Spread, Totals, Player Props
MLB	Full season	Moneyline, Run Line, Totals, Player Props
NHL	Full season	Moneyline, Puck Line, Totals

NCAA Football	Full season	Moneyline, Spread, Totals
NCAA Basketball	Full season	Moneyline, Spread, Totals
Soccer	Major leagues	Match Result, Over/Under, Both Teams to Score
Tennis	ATP/WTA Tours	Match Winner, Set Betting
Golf	PGA Tour	Tournament Winner, Top Finishers
UFC/Boxing	Major events	Fight Winner, Method, Round

4. Payment Processing

- **Deposit Methods**
  - Credit/Debit cards (Visa, Mastercard, Amex)
  - E-wallets (PayPal, Skrill, Neteller)
  - Bank transfers
  - Cryptocurrency (optional)
  - Prepaid cards

- **Withdrawal Methods**
  - Bank transfer (ACH, Wire)
  - E-wallet transfers
  - Check processing
  - Same-day processing options

- **Security Features**
  - PCI DSS compliance
  - Tokenized payment storage
  - Fraud detection
  - Transaction monitoring
  - Encrypted data transmission

5. Live Betting (In-Play)

- Real-time game updates
- Live odds refresh
- Cash-out options during games
- Live statistics integration
- Game visualization
- Play-by-play updates

6. Admin Dashboard

- **User Management**
  - User accounts administration
  - Account verification
  - Suspension/ban management
  - Credit adjustments

- **Betting Management**
  - Bet monitoring
  - Odds management
  - Payout processing
  - Dispute resolution

- **Financial Management**
  - Deposit/withdrawal processing
  - Transaction reports
  - Financial analytics
  - Revenue tracking

- **Sports Data Management**
  - Odds provider integration
  - Event scheduling
  - Market management
  - Result verification

- **Analytics & Reporting**
  - User activity reports
  - Betting volume reports
  - Revenue reports
  - Performance metrics
  - Custom report generation

7. Responsible Gambling Features

- Deposit limits (daily, weekly, monthly)
- Loss limits
- Wager limits
- Time-out options
- Self-exclusion tools

- Reality checks
- Support resources integration

📱 MOBILE APPLICATION

Progressive Web App (PWA)

- Installable on iOS and Android
- App-like experience
- Offline functionality
- Push notifications
- Home screen icon

Native Mobile Apps (Optional)

- iOS app (App Store)
- Android app (Google Play)
- Native performance
- Biometric authentication
- Mobile-specific features

🔒 SECURITY & COMPLIANCE

Security Features

- SSL/TLS encryption
- DDoS protection
- SQL injection prevention
- XSS protection
- CSRF protection
- Rate limiting
- IP whitelisting
- Session management
- Secure password policies

Compliance Requirements

- GDPR compliance
- CCPA compliance (if applicable)
- Age verification (18+)
- Geolocation restrictions
- Responsible gambling compliance
- Anti-money laundering (AML)
- KYC requirements
- Data protection standards

📊 INTEGRATIONS

Sports Data Providers

- The Odds API (primary)
- Sportradar (backup)
- Betfair Exchange (optional)
- Multiple odds aggregation

Payment Gateways

- Stripe
- PayPal
- Braintree
- Additional providers as needed

Third-Party Services

- Email service (SendGrid, Mailgun)
- SMS service (Twilio)
- Push notification service
- Analytics (Google Analytics, Mixpanel)
- Customer support (Zendesk, Intercom)

🎨 DESIGN REQUIREMENTS

Brand Identity

- Custom logo design
- Brand color scheme
- Typography selection
- Icon library
- Visual style guide

User Interface

- Hard Rock-inspired premium design

- Modern, clean aesthetic
- Intuitive navigation
- Fast loading times
- Smooth animations
- Responsive across all devices

User Experience

- User journey optimization
- A/B testing capabilities
- Conversion optimization
- Accessibility (WCAG 2.1 AA)
- Multi-language support (optional)

🍍 PROJECT TIMELINE

Project Duration: 8-10 months (starting November 2025)

Phase	Duration	Deliverables
Phase 1: Planning & Design	1 month	Wireframes, Design mockups, Technical architecture
Phase 2: Core Development	2-3 months	Backend API, Database, Authentication system
Phase 3: Frontend Development	2 months	Angular application, User interfaces, Mobile optimization
Phase 4: Integrations	1 month	Payment gateways, Sports data APIs, Third-party services
Phase 5: Testing & QA	1 month	Bug fixes, Performance optimization, Security testing
Phase 6: Deployment	1 month	Production deployment, Monitoring setup, Documentation
TOTAL	**8-10 months**	**Production-ready platform**

Note: Timeline may vary based on feature requirements and client feedback cycles. Monthly progress reports will be provided throughout the project.

💰 COST ESTIMATION

Project Scope Optimization

To align with budget requirements, the project will be delivered with:

- **Core MVP Features** - Essential betting functionality
- **Phased Development** - Prioritized feature rollout
- **Efficient Resource Allocation** - Lean team structure
- **Standard Hosting Solution** - Cost-effective infrastructure

💰 PAYMENT TERMS & SCHEDULE

Project Duration: 8-10 months

Payment Schedule:

Payment	Date	Amount	Description
First Installment	**November 2, 2025**	**$5,000**	Project initiation and kickoff
Monthly Invoices	Monthly (Starting Dec 2025)	TBD	Progress-based monthly billing
Final Payment	Upon Completion	Remaining Balance	Final delivery and handover

Payment Details:

- First payment of **$5,000 due November 2, 2025** to proceed with project
- Monthly invoices will be issued each month for the duration of the project (8-10 months)
- Final payment due upon project completion and acceptance
- All payments net 30 days unless otherwise specified

Client Responsibilities - Additional Expenses

The client shall bear all additional expenses, including:

- Domain registration and renewal
- Hosting/server charges (AWS/Azure)
- Third-party service fees (Payment gateway, KYC services, etc.)
- SSL certificates
- Any other third-party licenses or subscriptions

🔧 SUPPORT & MAINTENANCE

Included (1 Month Post-Deployment)

Complimentary post-deployment support includes:

- Bug fixes and patches
- Small micro changes
- Technical support

Limitations:

- Support period: 1 month from deployment

- Only bug fixes and small micro changes
- New features or major enhancements are excluded

Ongoing Support & Maintenance

Monthly Support Package: $2,500/month

Included Services:

- Bug fixes and patches
- Security updates and patches
- Performance monitoring
- Server maintenance
- Backup management
- Basic feature adjustments
- Email and phone support (business hours)
- Monthly status reports
- Database optimization
- Uptime monitoring

📄 SOURCE CODE & LICENSING

The project will be deployed in compiled form. Source code will not be provided as part of this contract. Maintenance, updates, or enhancements beyond the agreed scope will be charged separately.

📦 DELIVERABLES

Technical Deliverables

1. Compiled production application (deployed)
2. Production-ready database schema
3. API documentation
4. Deployment scripts & configuration
5. Docker containerization
6. CI/CD pipeline setup
7. Security audit report
8. Performance optimization report
9. System documentation
10. Database documentation

User Deliverables

1. Live production website
2. Admin dashboard access
3. User accounts for testing
4. Mobile-optimized interface / Native mobile apps (if Option 1 selected)
5. Complete user documentation

Business Deliverables

1. Project documentation
2. Maintenance guide
3. Scalability roadmap
4. Future enhancement recommendations
5. Compliance documentation
6. Security certificates
7. Performance benchmarks

🚀 DEPLOYMENT & HOSTING

Recommended Infrastructure

- **Cloud Platform**: AWS / Azure
- **Database**: Managed MySQL with backups
- **CDN**: CloudFlare for global content delivery
- **Monitoring**: Datadog, New Relic, or similar
- **Backup**: Automated daily backups with 30-day retention

Infrastructure Costs (Monthly)

Service	Estimated Monthly Cost
Cloud Hosting (Production)	$400 - $800
Database (Managed MySQL)	$150 - $300
CDN (CloudFlare)	$20 - $200
Monitoring & Analytics	$50 - $150
SSL Certificates	$10 - $50
Backup Storage	$20 - $50
Total Monthly Infrastructure	$650 - $1,550/month

Note: Infrastructure costs scale with traffic. Initial setup will be on the lower end, increasing as user base grows. Client responsible for ongoing hosting costs.

Performance Targets

- Page load time: < 2 seconds
- API response time: < 200ms
- 99.9% uptime SLA
- Support for 10,000+ concurrent users
- Auto-scaling capabilities

📑 ASSUMPTIONS & DEPENDENCIES

Assumptions

- Client will provide necessary licenses and permits
- Client will handle regulatory compliance requirements
- Sports data API access will be provided
- Payment gateway approvals will be obtained
- Domain name will be provided

Dependencies

- Third-party API availability
- Payment gateway approval timeline
- Client feedback and approval cycles
- Regulatory requirements (if applicable)

⚠ RISK MITIGATION

Technical Risks

- **API Reliability**: Multiple provider integrations with fallback systems
- **Scalability Issues**: Cloud infrastructure with auto-scaling
- **Security Vulnerabilities**: Regular security audits and penetration testing
- **Performance Degradation**: Load testing and optimization

Business Risks

- **Scope Creep**: Change management process with additional costs
- **Timeline Delays**: Buffer time included, milestone-based delivery
- **Regulatory Changes**: Modular architecture for compliance updates

📞 NEXT STEPS

1. **Initial Consultation** - Discuss requirements and scope
2. **Proposal Review** - Review and approve this scope of work
3. **Contract Signing** - Execute development agreement
4. **Kickoff Meeting** - Project initiation and team introduction
5. **Development Begins** - Start Phase 1 implementation

☑ PROJECT STATUS

Ready to begin development upon contract execution and initial payment.

- 📄 **Document Version:** 1.0
- 📅 **Date:** November 1, 2025
- 💰 **Pricing Valid For:** 30 days
- ☑ **Status:** Proposal Ready for Review

✉ CONTACT INFORMATION - IT LOGIX INDIA PRIVATE LIMITED

Field	Details
Company	IT Logix India Private Limited
Email	[Email Address]
Phone	[Phone Number]
Website	[Website]
Location	India

✍ SIGNATURES

By signing below, both parties agree to the terms, conditions, and scope of work outlined in this document.

DEVELOPER - IT LOGIX INDIA PRIVATE LIMITED

Signature: _____

Name: [IT Logix Representative]

Title: [Title]

Date: _____

OWNER/CLIENT

Signature: _____

Name: [Owner/Client Name]

Title: [Title]

Date: _____

📄 ACCEPTANCE - CLIENT APPROVAL

I, _____, representing _____, hereby agree to the terms and conditions of this project proposal.

Client Signature: _____

Date: _____

This scope of work represents a comprehensive production-ready betting platform for the Dominican Republic. All prices are in USD or INR as specified and subject to change based on specific requirements and market conditions. IT Logix India Private Limited reserves the right to modify pricing based on project scope changes.

Prepared By: IT Logix India Private Limited
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